

Office Action dated: May 21, 2004
Reply filed: September 21, 2004

Applic. No. 09/705,759
Art Unit 2841

REMARKS

The Applicants thank the Examiner for the thorough consideration given the present application. Claims 1-3, 6, and 7 are pending. Claims 4 and 5 are canceled without prejudice to or disclaimer of the subject matter contained therein. Claim 1 is amended. Claim 1 is independent.

The Examiner is respectfully requested to reconsider the rejections in view of the amendments and remarks set forth herein.

REASONS FOR ENTRY OF AMENDMENTS

At the outset, it is respectfully requested that this Amendment be entered into the Official File in view of the fact that the amendments to the claims automatically place the application in condition for allowance.

In the alternative, if the Examiner does not agree that this application is in condition for allowance, it is respectfully requested that this Amendment be entered for the purpose of appeal. This Amendment reduces the issues on appeal by canceling claims 4 and 5, and revising the drawings to overcome the objection to the drawings. This Amendment was not presented at an earlier date in view of the fact that the Examiner has just now presented new grounds for rejection in this Final Office Action.

OBJECTION TO THE DRAWINGS

The drawings are objected to because "heat sink" and "appliance" are allegedly not shown in the FIGS.

In response, one sheet of revised formal drawings is attached hereto, showing heat sink 510 in FIG. 5. The Examiner should note that this change to FIG. 5 was submitted previously as a proposed drawing correction in the Drawing Correction Authorization request filed on January 24, 2002. Further, claim 5, which contained the word "appliance" not shown in the FIGS., has been canceled.

Accordingly, reconsideration and withdrawal of the objection to the drawings are respectfully requested.

REJECTIONS UNDER 35 U.S.C. §102(B) AND §103(A)

Claims 1-4, 6, and 7 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Soyano et al. (U.S. 5,519,252); and claim 5 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Soyano et al. These rejections are respectfully traversed.

While not conceding the appropriateness of the Examiner's rejection, but merely to advance prosecution of the instant application, independent claim 1 is amended herein to recite a combination of elements directed to a system module, wherein the power pins and signal pins are sharply protruded from the upper surface of the case, and wherein the power pins include the three phase U,V, and

W pins being inwardly placed which are for connection to a motor, and a plus pin and a minus pin being outwardly placed for receiving a DC link voltage.

Full support for the novel and unobvious combination of elements set forth in claim 1 can be found in the specification, for example on page 8, lines 8-13, which describe the arrangement of the different power pins. (See also FIG. 5).

The Applicants respectfully submit that the combination of elements as set forth in independent claim 1 is not disclosed or made obvious by the prior art of record, including Soyano et al.

In contrast to the present invention, Soyano et al. (FIG. 2) merely discloses three power pins 6 spaced along the first edge, and four power pins 6 spaced along the second edge, with no suggestion whatsoever about three phase U, V, and W pins being inwardly placed and a plus pin and a minus pins being outwardly placed, such that the three phase U, V, and W pins are provided for connection to a motor, and the plus pin and the minus pin are provided for receiving a DC link voltage (as set forth in claim 1 of the present invention).

Applicants respectfully submit that the combination of elements as set forth in independent claim 1 is not disclosed or made obvious by the prior art of record, including Soyano et al., at least for the reasons explained above. Accordingly, reconsideration and withdrawal of this rejection are respectfully requested.

Independent claim 1 is in condition for allowance.

ARGUMENTS REGARDING DEPENDENT CLAIM 2

Dependent claim 2 recites at least two corner portions among four corner portions of the case, which two corner portions are opposite to each other in a diagonal direction, are defined with engaging holes, respectively, through which the case and a heat sink are coupled with each other.

Support for these features can be found on page 7, lines 16-21 of the specification

By contrast, Soyano et al. (FIG. 4) merely disclose a heat sink 1a mounted on a lower surface of the case without any fixing means, and Houf et al. (cited in the Office Action dated May 8, 2003) merely disclose a heat sink that is not fixed to the case in a diagonal direction.

Claims 2, 3, 6 and 7 are in condition for allowance due to their dependence on allowable independent claims or due to the additional novel features set forth therein. Accordingly, reconsideration and withdrawal of the rejections under 35 U.S.C. §102(b) and §103(a) are respectfully requested.

CONCLUSION

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Carl T. Thomsen (Reg. No. 50,786) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

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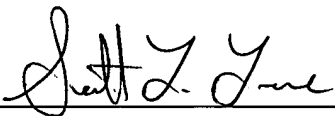
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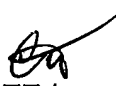
Pursuant to 37 C.F.R. § 1.17 and 1.136(a), Applicants respectfully petition for a one (1) month extension of time for filing a response in connection with the present application. The required fee of \$110.00 is enclosed.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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Attachment: Revised Figure 5

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